

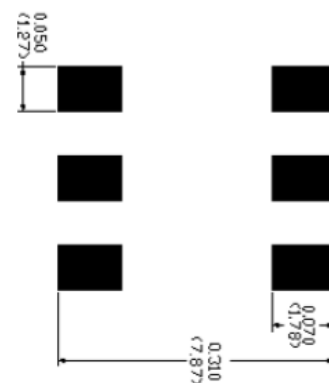
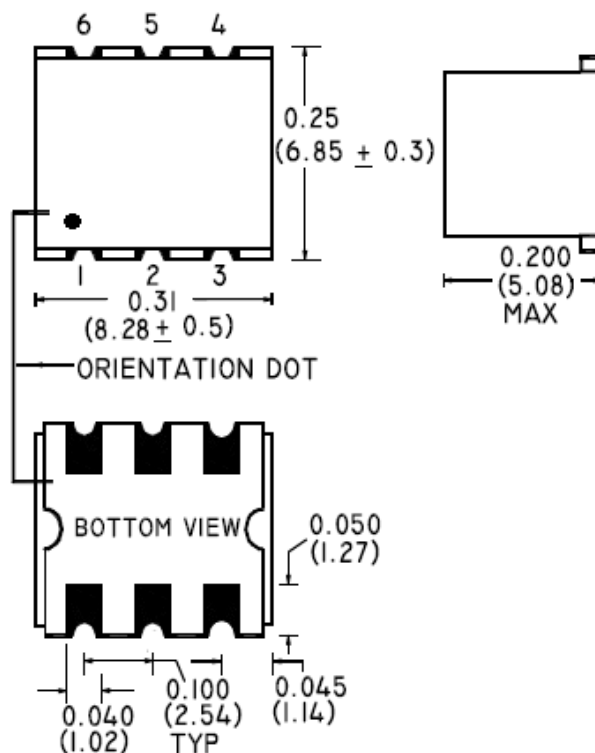


Outline drawing

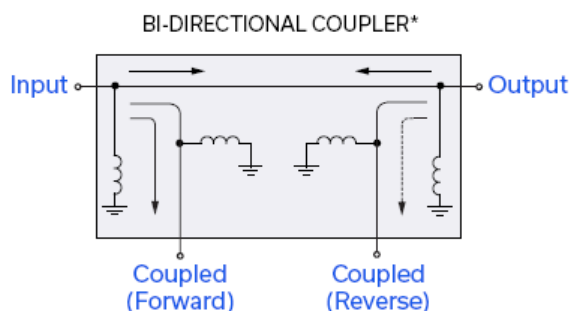
Feature:

20db coupler

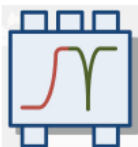
- Surface mount
- 260°C reflow compatible
- RoHS* compliant and lead free
- welding connect



ELECTRICAL SCHEMATIC



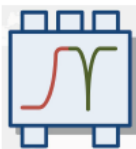
FOOTPRINT FOR PCB



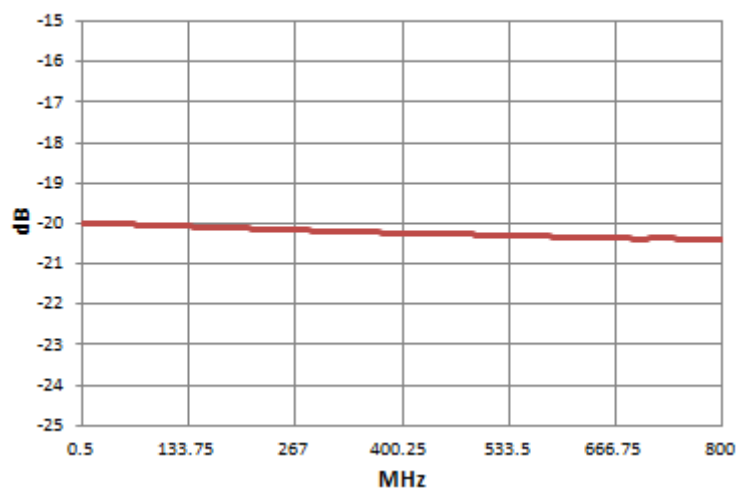
PIN CONFIGURATION

PIN	FUNCTION
1	RF Input
2,5	Ground
3	Coupled (Forward) RF
4	Coupled (Reverse) RF
6	RF Output

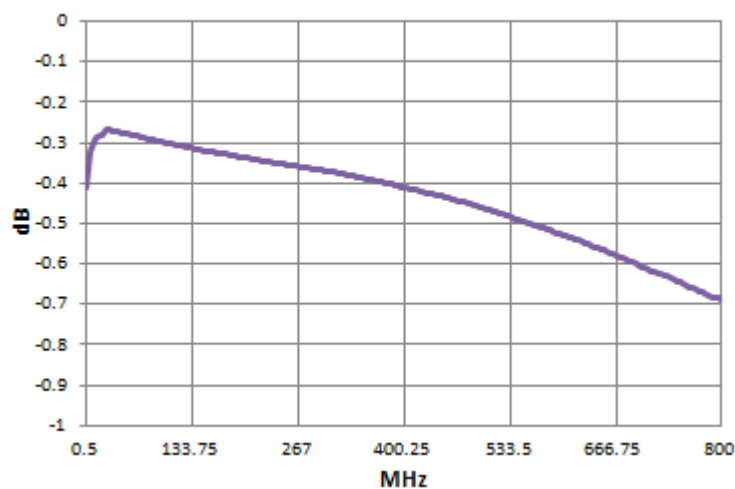
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	1-800MHz	dB	---	20.2	---
	1MHz	dB	19.5	20.2	20.9
	400MHz	dB	19.5	20.4	21.6
	800MHz	dB	18.5	20.2	21.8
Coupling Flatness(±)	1-400MHz	dB	---	0.2	0.6
	400-800MHz	dB	---	0.2	0.7
Mainline Loss	1MHz	dB	---	0.2	0.4
	400MHz	dB	---	0.3	0.6
	800MHz	dB	---	0.6	0.9
Input return loss	1MHz	dB	21	28	---
	400MHz	dB	15	21	---
	800MHz	dB	11	16	---
Output return loss	1MHz	dB	21	27	---
	400MHz	dB	15	22	---
	800MHz	dB	11	17	---
Coupling Return Loss	1MHz	dB	18	24	---
	400MHz	dB	14	19	---
	800MHz	dB	11	15	---
Directivity	1MHz	dB	15	20	---
	400MHz	dB	14	24.4	---
	800MHz	dB	10	15	---
RF Power Rating (max)		1W			
DC Current (max)		250mA			
Test Impedance (50Ω,75Ω, etc.)		50OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-55°C to +100°C			



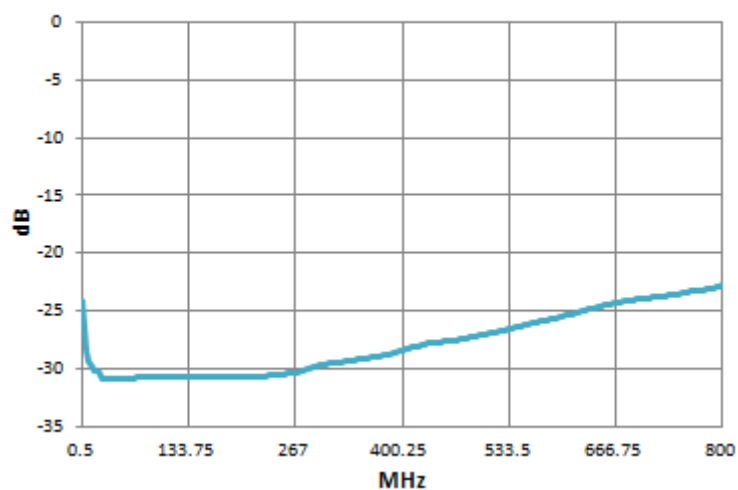
Coupling



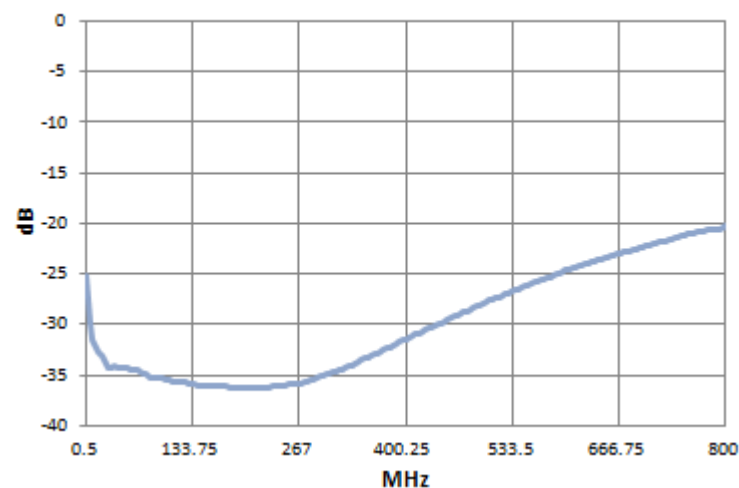
MainLine Loss



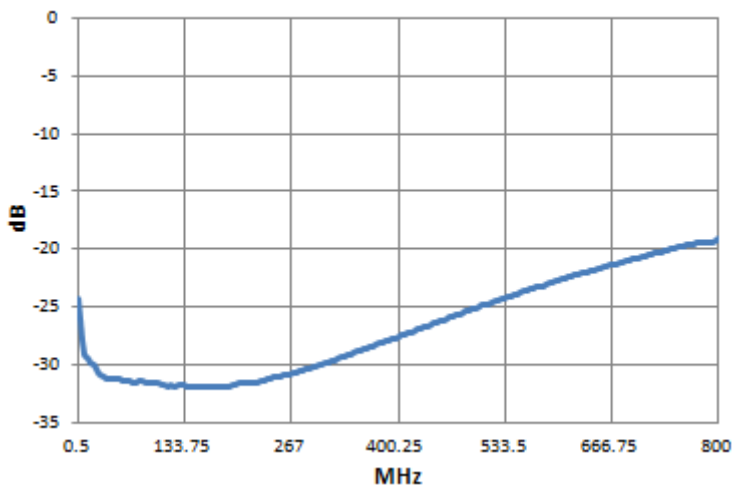
Coupling Return Loss



Output Return Loss



Inpu Return Loss



Directivity

